

Datasheet
Description

The FES-02 series will expand your existing microwave Signal Generator capabilities to conduct measurement in WR-02 band (325-500GHz). These frequency extension modules easily connect to the output of your signal generator so you have a high performance source for your DUT characterization activities. Characterize your DUT with the confidence that the superior performance in terms of output power, spurious and harmonics will provide product accurate results.


Features

- Solid state multipliers
- Coverage 40 GHz to 500 GHz
- High output power specification
- Good harmonic suppression
- Separate AC/DC power source
- Low cost
- Stable and light weight
- Supports FM/PM and pulse modulations
- Compatible with standard signal generators
- Optional manual variable attenuator

Applications

- Test equipment extension
- Frequency sources for emerging mm-wave applications
- RF/LO sources for mixer measurements

Accessories

- AC/DC converter with 2m cable
- Manual

| Specification | Unit | Min | Typ | Max |
|----------------------------|------|---|-------|-------|
| System Operating Frequency | GHz | 325 | | 500 |
| Test Port Output Power (2) | dBm | | -20 | |
| RF Input Frequency | GHz | 10.83 | | 16.67 |
| RF Input Power | dBm | +5 | | +10 |
| RF Multiplication Factor | GHz | | 30 | |
| RF Input Port Damage Level | dBm | +15 | | |
| RF Input VSWR | - | | < 1.5 | |
| RF Output VSWR | - | | < 2.5 | |
| Test Port Interface | - | WR-02 UG-387/UM IEEE 1785-2a (Precision Style) | | |
| RF Connector | - | SMA (F) | | |
| DC Power Requirements | - | +12V at 1200 mA | | |
| Weight | kg | | 1.5 | |
| Dimensions (L x W x H) | - | 250 x 130 x 85 | | |
| Operating Temperatures | °C | 0 | | 30 |

(1) Specifications are typical and subject to change without a notice.

(2) For frequencies greater than 110 GHz traceable only to FTL calorimeter.

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